

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SOURCE: []

1. During 1952, the construction of several new long wave and medium wave radio transmitters was begun. The planning section of the Koepenick radio factory is working on the construction of new medium wave transmitters in considerable secrecy. Special attention is being given to the construction of mobile 20 kw transmitters. The first prototype was ready for tests in December 1952, but proved unsatisfactory because of mechanical failures. When these are repaired, it will be used as a jamming transmitter.
2. A powerful transmitter, also built by the Koepenick plant, was installed on a drifter that made a voyage to the White Sea early in 1952. The results were very good. Contact, by voice, with the radio factory was maintained on a frequency of 4 megacycles both day and night. In December 1952, the marine radio section completed an improved model of this transmitter. The wiring was only slightly altered. The construction was, however, much improved by the employment of three mechanically-coupled coil tubes (Spulenroehren). This improved transmitter is used as the master oscillator stage for the KN3 transmitter, which has a 782 radio tube for the output stage. Although the KN3 has achieved an output of 6 kw with 24 megacycles in trials, the normal output will be 3 kw.
3. For some time, there have been experiments conducted by the Communications Technique and Development (NIEF) Division on the problem of underwater sound. They are now working on a method for analyzing the spectrum of underwater sound by means of filters and locating objects by changes in the intensity of the sounds.
4. Firms¹ in East Germany are producing camouflage nets for guns (so-called "butterfly nets") from sisal and hemp from the USSR. The Brandenburg Institute for Fisheries is also conducting experiments with nylon nets.

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5. The iron and steel production quotas for 1952 were fulfilled as follows:

	<u>Percent</u>	<u>Tons</u>
Raw iron	78	660,000
Raw steel	103	1,659,000
Semifinished steel for foreign rolling mills	112	358,000
Rolled steel	112	1,013,000
Seamless tubing	46	15,800

The failure to meet the raw iron quota rests on both of the new mills, that at Fuerstenberg and Calbe.

6. The plan for 1953 calls for all figures mentioned above to be increased by 25 percent. In spite of some improvement during the first two months, it is doubtful whether this can be attained.

1. Comment: Not identified by source.

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